



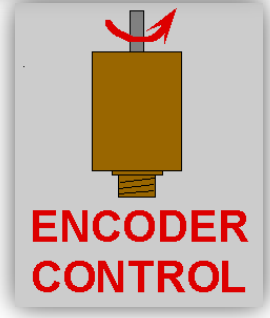
k-Space Associates, Inc.



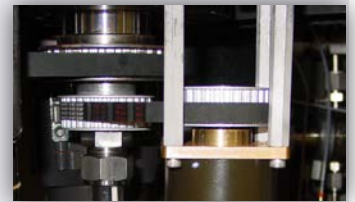
kSA RMAT

Rotational Monitoring And Triggering

Direct Coupled Hardware for Sample Analysis During Rotation



The Rotation Monitoring and Triggering (RMAT) product was developed by k-Space to meet the needs of scientists and engineers who desire an accurate, programmable trigger source coupled to a rotation stage during thin-film deposition or most any process with sample rotation. With the RMAT, the user can program precise trigger positions during rotation with 18-bit resolution, and use these triggers to initiate external events such as the acquisition of analytical images or other optical metrology at specific rotation angles.



Features

Single dialog, windows-based software with integrated help manual permits easy access to the functionality of the encoder.

The encoder is equipped with a programmable logic controller (PLC) allowing positions to be programmed on the fly while the shaft is rotating.

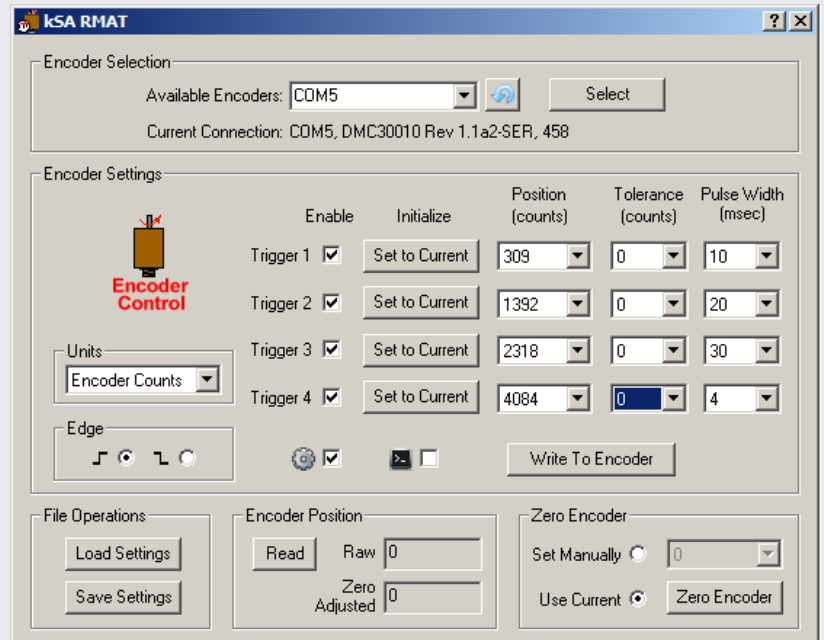
Select up to 4 different trigger positions with precision to 0.088 degrees (12-bit) out of the full 360 degrees of rotation.

Trigger output is TTL-level and accessible through the encoder cable.

The trigger pulse width is programmable and can be set in the range of 1-255 msec.

k-Space can supply (optional) a custom shaft couple and encoder mounting plate upon request.

Simple Software and User Interface



Your partner in thin film metrology

k-Space Associates, Inc., is a leading supplier to the surface science and thin-film technology industries. Since 1992, we've delivered the most advanced thin-film metrology tools and software thanks to close collaboration with our worldwide customer base.